



1644

ENTERED

RAW SEQUENCE LISTING

3 <110> APPLICANT: Rijksuniversiteit Te Leidin

Goulmy, Elsa A.J.M

PATENT APPLICATION: US/09/489,760A

DATE: 03/19/2002

TIME: 14:02:10

Input Set : A:\Ha-11.app

Output Set: N:\CRF3\03192002\1489760A.raw

```
5
             Hunt, Donald F
             Hard, Victor H
     6
     8 <120> TITLE OF INVENTION: The HA-1 Antigen
    10 <130> FILE REFERENCE: 2183-4285US
 --> 12 <140> CURRENT APPLICATION NUMBER: US/09/489,760A
    13 <141> CURRENT FILING DATE: 2000-01-21
    15 <150> PRIOR APPLICATION NUMBER: PCT/NL98/00424
    16 <151> PRIOR FILING DATE: 1998-07-23
    18 <160> NUMBER OF SEQ ID NOS: 16
    20 <170> SOFTWARE: PatentIn Ver. 2.1
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 9
    24 <212> TYPE: PRT
    25 <213> ORGANISM: Histocompatibility antigen
    27 <220> FEATURE:
    28 <221> NAME/KEY: PEPTIDE
    29 <222> LOCATION: (3)
    30 <223> OTHER INFORMATION: AMINO ACID X REPRESENTS A HISTIDINE OR AN ARGININE
    31
             RESIDUE
    33 <400> SEQUENCE: 1
N--> 34 Val Leu Xaa Asp Asp Leu Leu Glu Ala
    38 <210> SEQ ID NO: 2
    39 <211> LENGTH: 9
    40 <212> TYPE: PRT
    41 <213> ORGANISM: Histocompatibility antigen
    43 <400> SEQUENCE: 2
    44 Val Leu His Asp Asp Leu Leu Glu Ala
    45
        1
    48 <210> SEQ ID NO: 3
    49 <211> LENGTH: 9
    50 <212> TYPE: PRT
    51 <213> ORGANISM: Histocompatibility antigen
    53 <220> FEATURE:
    54 <221> NAME/KEY: PEPTIDE
    55 <222> LOCATION: (2)
    56 <223> OTHER INFORMATION: AMINO ACID X REPRESENTS EITHER ISOLEUCINE OR
    57
             LEUCINE RESIDUES
    59 <400> SEQUENCE: 3
W--> 60 Tyr Xaa Thr Asp Arg Val Met Thr Val
    61
```

RAW SEQUENCE LISTING DATE: 03/19/2002 PATENT APPLICATION: US/09/489,760A TIME: 14:02:10

Input Set : A:\Ha-11.app

Output Set: N:\CRF3\03192002\1489760A.raw

```
64 <210> SEQ ID NO: 4
   65 <211> LENGTH: 9
   66 <212> TYPE: PRT
   67 <213> ORGANISM: Histocompatibility antigen
   69 <220> FEATURE:
   70 <221> NAME/KEY: PEPTIDE
   71 <222> LOCATION: (2)..(7)
   72 <223> OTHER INFORMATION: AMINO ACIDS X REPRESENT LEUCINE OR ISOLEUCINE
   73
            RESIDUES
   75 <400> SEQUENCE: 4
--> 76 Val Xaa His Asp Asp Xaa Xaa Glu Ala
   77
       1
                        5
   80 <210> SEQ ID NO: 5
   81 <211> LENGTH: 9
   82 <212> TYPE: PRT
   83 <213> ORGANISM: KIAA0223 partial complementary DNA
   85 <400> SEQUENCE: 5
   86 Val Leu Arg Asp Asp Leu Leu Glu Ala
   90 <210> SEQ ID NO: 6
   91 <211> LENGTH: 25
   92 <212> TYPE: DNA
   93 <213> ORGANISM: Unknown Organism
   95 <220> FEATURE:
   96 <223> OTHER INFORMATION: Description of Unknown Organism: Reverse primer
   98 <400> SEQUENCE: 6
                                                                          25
   99 gctcctgcat gacgctctgt ctgca
   102 <210> SEQ ID NO: 7
   103 <211> LENGTH: 24
   104 <212> TYPE: DNA
   105 <213> ORGANISM: Unknown Organism
   107 <220> FEATURE:
   108 <223> OTHER INFORMATION: Description of Unknown Organism: Forward primer
   110 <400> SEQUENCE: 7
                                                                           24
   111 gacgtcgtcg aggacatctc ccat
   114 <210> SEQ ID NO: 8
   115 <211> LENGTH: 25
   116 <212> TYPE: DNA
   117 <213> ORGANISM: Unknown Organism
   119 <220> FEATURE:
   120 <223> OTHER INFORMATION: Description of Unknown Organism: Reverse Primer
   122 <400> SEQUENCE: 8
                                                                           25
   123 gaaggccaca gcaatcgtct ccagg
   126 <210> SEQ ID NO: 9
   127 <211> LENGTH: 30
   128 <212> TYPE: DNA
   129 <213> ORGANISM: Unknown Organism
```

132 <223> OTHER INFORMATION: Description of Unknown Organism: HA-1" allele

131 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 03/19/2002 PATENT APPLICATION: US/09/489,760A TIME: 14:02:11

Input Set : A:\Ha-11.app

Output Set: N:\CRF3\03192002\I489760A.raw

133	primer H1	
	<400> SEQUENCE: 9	
136	ccttgagaaa cttaaggagt gtgtgctgca	30
139	<210> SEQ ID NO: 10	
140	<211> LENGTH: 30	
141	<212> TYPE: DNA	
142	<213> ORGANISM: Unknown Organism	
	<220> FEATURE:	
145	<223> OTHER INFORMATION: Description of Unknown Organism: HA-1r al	lele
146	primer R1	
148	<400> SEQUENCE: 10	
149	ccttgagaaa cttaaggagt gtgtgttgcg	30
152	<210> SEQ ID NO: 11	
153	<211> LENGTH: 33	
154	<212> TYPE: DNA	
155	<213> ORGANISM: Forward KIAA00223 based PCR primer	
	<400> SEQUENCE: 11	
158	ccggcatgga cgtcgtcgag gacatctccc atc	33
	<210> SEQ ID NO: 12	
162	<211> LENGTH: 30	
	<212> TYPE: DNA	
164	<213> ORGANISM: Reverse KIAA00223 based PCR primer	
	<400> SEOUENCE: 12	
167	ctacttcagg ccacagcaat cgtctccagg	30
	<210> SEQ ID NO: 13	
	<211> LENGTH: 38	
172	<212> TYPE: DNA	
173	<213> ORGANISM: Unknown Organism	
	<220> FEATURE:	
176	<223> OTHER INFORMATION: Description of Unknown Organism:HA-1-/-	
	<400> SEQUENCE: 13	
	gagtgtgtgt tgcgtgacga cctccttgag gcccgccg	38
	<210> SEQ ID NO: 14	
183	<211> LENGTH: 13	
184	<212> TYPE: PRT	
	<213> ORGANISM: Unknown Organism	
	<220> FEATURE:	
188	<223> OTHER INFORMATION: Description of Unknown Organism: HA-1-/-	
	<400> SEQUENCE: 14	
	Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg	
192	1 5 10	
	<210> SEQ ID NO: 15	
	<211> LENGTH: 38	
	<212> TYPE: DNA	
	<213> ORGANISM: Unknown Organism	
	<220> FEATURE:	
	<223> OTHER INFORMATION: Description of Unknown Organism:HA-1+/+	
	<400> SEQUENCE: 15	
	gagtgtgtgc tgcatgacga cctccttgag gcccgccg	38

7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/489,760A TI

DATE: 03/19/2002 TIME: 14:02:11

Input Set : A:\Ha-11.app

Output Set: N:\CRF3\03192002\I489760A.raw

207 <210> SEQ ID NO: 16

208 <211> LENGTH: 13

209 <212> TYPE: PRT

210 <213> ORGANISM: Unknown Organism

212 <220> FEATURE:

213 <223> OTHER INFORMATION: Description of Unknown Organism:HA-1+/+

215 <400> SEQUENCE: 16

216 Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg

217 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/489,760A

DATE: 03/19/2002 TIME: 14:02:12

Input Set : A:\Ha-11.app

Output Set: N:\CRF3\03192002\1489760A.raw

12 M:270 C: Current Application Number differs, Replaced Current Application Number

34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4